

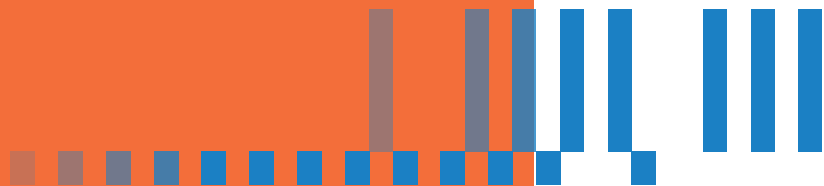


® Knowledge
Beyond
Measure.



Personal Aerosol Sampling for Explosive Environments

SidePak™ AM520i Personal Aerosol Monitor



Exposure Monitoring Anywhere...

Protecting your workers requires knowing when their exposure to respirable dust and aerosols is reaching dangerous levels. Real-time monitoring is the difference between having immediate exposure data, and being able to take corrective action in the moment, as opposed to waiting for lab results.

The industry's most versatile, lightweight personal aerosol monitor is now certified to meet this challenge in explosive environments. The SidePak AM520i is the industry's smallest, lightest personal exposure monitor. It fuses TSI's proven instrument design and intuitive controls, with portability for long-running real-time monitoring in environments requiring intrinsically safe instrumentation.

Real-time vs. Gravimetric

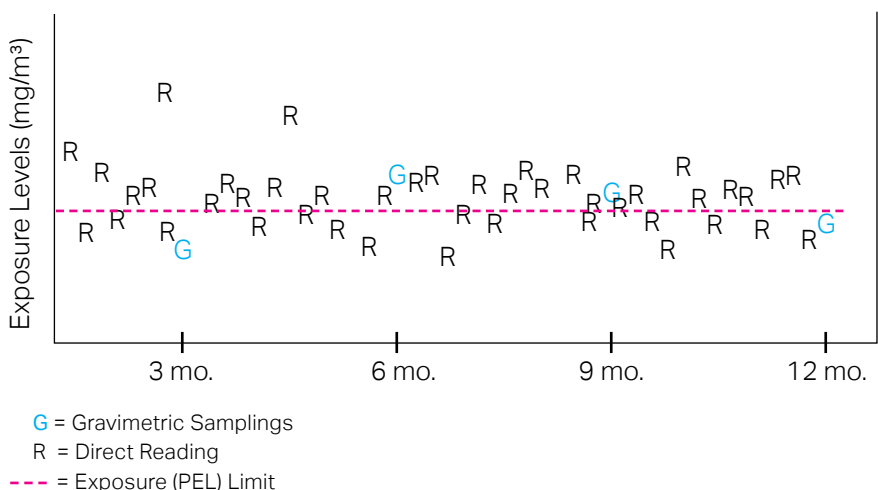
Gravimetric sampling is necessary, but expensive and time consuming.

While gravimetric sampling is often a requirement to achieve compliance, it only provides a single data point, an average of exposure for an entire shift. With direct reading capabilities, the SidePak AM520i gives you the whole picture, capturing minute-by-minute data for review and analysis to ensure you are on the right path toward both regulatory compliance and worker safety.

When you have complete data, you can make necessary engineering control changes quickly and efficiently. The ability to validate changes the same day goes beyond compliance and toward superior safety with live real-time data.

Monitoring exposure in real-time provides instant access to more data for daily decision making.

Real-Time Exposure Monitoring vs. Traditional



...For Worker Safety Everywhere

The SidePak AM520i measures worker exposure to respirable dust, silica and Diesel Particulate Matter (DPM) in a wide range of industries where explosive and volatile environments exist:

- Aerospace
- Petrochemical
- Oil & Gas
- Chemical manufacturing and processing
- Mining
- Pharmaceutical
- Bulk material handling
- Confined spaces

Data Collection, Analysis And Report Building

The SidePak AM520i's TrakPro™ 5.0 software allows you to download logged data and quickly analyze your findings. This allows you to identify source problems and take corrective action in less time, improving safety and clearing regulatory hurdles.

- Data logging
- Graphing
- Report generation
- Instrumentation setup



Certified For Explosive Environments

Intrinsic Safety Rating Information

IECEX / ATEX

IECEX SIR 18.0043X
Sira 18ATEX2150X



II 1G

Ex ia IIC T4 Ga

Ex ia | Ma

Rated: 12Vdc SELV

Ta= 0 °C to +50 °C



CSA

Class 2258-03 Process Control Equipment —

Intrinsically Safe and Non-Incendive Systems —
For Hazardous Locations — Certified to Canadian Standards

Class I, Division I, Groups A, B, C, D,

Class II, Division I, Groups E, F, G,

Class III; T4; Ex ia IIC T4 Ga

Rated: 12Vdc SELV, 2.5A

Ta= 0 °C to +50 °C

Class 2258-83 Process Control Equipment —

Intrinsically Safe and Non-Incendive Systems —
For Hazardous Locations — Certified to US Standards

Class I, Division I, Groups A, B, C, D; T4

Class I Zone 0 AEx ia IIC T4 Ga

Rated: 12Vdc SELV, 2.5A

Ta= 0 °C to +50 °C

What It Measures

PM10
PM4 (Respirable)
PM2.5
PM1
0.8 µm DPM

Diesel Particulate Monitoring

Diesel-powered equipment is used in many workplace environments and confined spaces every day. In the U.S., OSHA estimates that over 1 million workers are currently exposed to diesel exhaust.

Specifications are subject to change without notice.

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Knowledge Beyond Measure.

TSI Incorporated - Visit our website www.tsi.com for more information.

USA Tel: +1 800 874 2811
UK Tel: +44 149 4 459200
France Tel: +33 1 41 19 21 99
Germany Tel: +49 241 523030

India Tel: +91 80 67877200
China Tel: +86 10 8219 7688
Singapore Tel: +65 6595 6388



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Kenelec Scientific Pty Ltd
1300 73 22 33
sales@kenelec.com.au
www.kenelec.com.au